

Operating Instructions

helifer lifting gears

Gear unit mounting:

The gear units are intended for mounting in dry locations. The shafts to be coupled should be aligned as accurately as possible. The couplings used must be capable of compensating for any remaining shaft misalignment.

The maximum lifting force mentioned in the addendum of the catalogue and their allowable direction are to be kept in mind.

Couplings may not be mounted by tapping or hammering into position! As the gear unit housings transmit reaction forces, it is important to ensure that the surfaces bolted together are suitably flat and rigid. This will ensure firm attachment between housing and support.

Startup:

Normally, the gear units are filled at our works with adequate quantities of lubricant and then sealed so as to be oil-tight. They are capable of functioning up to maximum temperature of 100°C.

Before operation the spindle has to be lubricated by fat, for instance with RENOLIT FWA 160 by Fuchs.

Maintenance:

Normally, the gear unit is filled with Klübersynth GH6-320, a synthetic lubricating oil with high anti-friction and ageing-resistant properties of type PG LP ISO VG 320 in accordance with DIN 51502, which achieves extremely long service life in the gear unit.

After a period of 5 years, the lubricating oil should be renewed. The interior of the gear unit should then be flushed with Klübersynth GH6-32, completely drained and refilled with the quantity of the same lubricant specified in the component list. The axial bearings are to be cleaned and to be lubricated by Fuchs RENOLIT FWA 160 of type K2N-20 in accordance with DIN 51502.

Standard PG-LP ISO VG 320 is also fulfilled by the following oils: Mobil Glygoyle HE 320, Shell Tivela S 320.

The gear unit should be inspected regularly to permit early detection of leaks, contamination and any conspicuous noises. It is to survey that the spindle screw is sufficiently lubricated. When inspecting after a period of 5 years, the tooth and spindle backlash in particular should be checked in order to determine any wear that may have occurred.

Warranty:

RHEIN-GETRIEBE GmbH warrants for its products in accordance with the General Conditions of the VDMA for Supply of Machines for the Domestic Market.

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